

For lighting designs requiring uniform color washes at great distances, the Exterior 400™ provides extremely bright light (5300 lm) at narrow to wide beam angles. Great for lighting the tops of structures, up-lighting columns or reaching across long spaces, the Exterior 400 also broadens your choice of colors by mixing red, green, blue and white LEDs.

### The Exterior 400™ Range

The outdoor installation market now has the best combination of powerful, compact and energy-efficient LED light fixtures. No matter the application - long or short throw, cold or warm white, dynamic or static color - the Exterior 400 Range does it all.

- Extremely bright (5300 lm)
- Broad color palette (RGBW)
- Very low power consumption (max 139 W)
- Choice of beam angles - 7.5°, 14.5°, 31°, 57°
- Color calibration ensuring uniform colors across fixtures
- Internal power and control
- Super rugged IP65 housing
- Choice of white, black or aluminum housing
- 0 - 100% intensity control

**Physical** Length: 169 mm (6.7 in.) including cable gland  
Width: 307 mm (12.1 in.)  
Height: 401 mm (15.8 in.)  
Weight: 7.6 kg (16.8 lbs.) including bracket

**Dynamic Effects** Color mixing: RGBW  
Red: 0 - 100%  
Green: 0 - 100%  
Blue: 0 - 100%  
White: 0 - 100%

**Control and Programming** Color control modes: RGB, RGBW, HSI, HSIC  
Control options: DMX, stand-alone, synchronized (master/slave)  
DMX channels: 3 or 4 depending on mode  
DMX address setting: PC with Martin MUM™ software and DABS1™ hardware interface  
Stand-alone trigger options: Internal timer and/or ambient light level  
Stand-alone and master/slave programming: PC with Martin MUM™ software and DABS1™ hardware interface  
26-bit control (internal): RGB, RGBW, HSI, HSIC  
Protocol: USITT DMX512-A  
Receiver: RS-485  
Firmware update: Serial upload via DMX link

**Optics** Light source: Cree XP-E high power emitters  
White LED: Neutral white, 5700 - 7000 K  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
Very Narrow (no diffuser), Narrow, Medium and Wide beam angles available  
*\*Manufacturer's figure obtained under manufacturer's test conditions*

**Construction** Color: Clear anodized, black or white  
Housing: Anodized aluminum  
Mounting bracket: 8 mm (0.3 in.) anodized aluminum  
Front glass: 6 mm (0.2 in.) anti-reflection coated  
Protection rating: IP65

**Installation** Orientation: Any  
Mounting: Flat surface at any angle, pedestal or other suitable support  
Vertical aiming: 330°  
Minimum distance to illuminated surfaces: 0.1 m (0.3 ft.)

**Connections** Power cable entry: IP68 cable gland

Power connection: 1.8 m (5.9 ft.) cable tail  
Data cable entry: IP68 cable gland  
Data connection: 1.8 m (5.9 ft.) combined input + output cable tail

**Electrical** AC power: 100-240 V nominal, 50/60 Hz  
Standby power: 13 W  
Power supply unit: Integrated, auto-sensing multi-voltage  
Main fuse: 2.5 AT (slow blow)

**Typical Power and Current**

100 V, 50 Hz:	139 W, 1.4 A, PF 0.990
100 V, 60 Hz:	139 W, 1.4 A, PF 0.989
110 V, 60 Hz:	137 W, 1.3 A, PF 0.988
120 V, 60 Hz:	136 W, 1.2 A, PF 0.986
208 V, 60 Hz:	133 W, 0.7 A, PF 0.932
230 V, 50 Hz:	132 W, 0.7 A, PF 0.925
240 V, 50 Hz:	131 W, 0.7 A, PF 0.886

*Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.*

**Thermal** Cooling: Convection  
Maximum ambient temperature (Ta max.): 45° C (113° F)  
Minimum ambient temperature (Ta min.): -30° C (-22° F), power must be maintained below 0° C (32° F)  
Maximum surface temperature, steady state, Ta=40° C (104° F): 90° C (194° F)  
Total heat dissipation (calculated, +/- 10%): 480 BTU/hr.

### Approvals



EU safety: EN 60598-1, EN 60598-2-1  
EU EMC: EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3  
US safety (US model): UL 1598  
Canadian safety (US model): CAN/CSA C.22.2 No. 250

**Included Items** Adjustable mounting yoke  
Narrow, Medium and Wide diffusers (supplied separately with product)  
Hard-wired 1.8 m (5.9 ft.) power and data in/out cable tails without connectors  
User manual

**Accessories** Narrow beam angle kit (diffuser sheet): P/N 41600122  
Medium beam angle kit (diffuser sheet): P/N 41600123  
Wide beam angle kit (diffuser sheet): P/N 41600124  
Exterior 200 floor stand: P/N 91611305  
Safety eyebolt: P/N 91611239  
3-pin male XLR connector, cable-type, IP65: P/N 91611306  
3-pin female XLR connector, cable-type, IP65: P/N 91611307

**Related Items** Martin MUM™ (Multi Utility Manager) incl. DABS1™ interface & cables: P/N 90758090

**Spare Parts** 2.5 AT main fuse: P/N 05020010

**Ordering Information**

Exterior 400, EU Model, Aluminum:	P/N 90545050
Exterior 400, US Model, Aluminum:	P/N 90545150
Exterior 400, EU Model, Black:	P/N 90545060
Exterior 400, US Model, Black:	P/N 90545160
Exterior 400, EU Model, White:	P/N 90545070
Exterior 400, US Model, White:	P/N 90545170

### Photometric Data

**Balanced White 6500K, Standard (Without diffuser)**

Efficacy:	38.2 lumens per watt
Half-peak angle:	7.5°
Total output:	5300 lm

**Balanced White 6500K, Standard (Narrow  
Diffuser**

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Efficacy: 36 lumens per watt  
Half-peak angle: 14.5°  
Total output: 5000 lm

**Balanced White 6500K, Standard (Medium  
Diffuser)**

Efficacy: 32.4 lumens per watt  
Half-peak angle: 31°  
Total output: 4500 lm

**Balanced White 6500K, Standard (Wide  
Diffuser)**

Efficacy: 34.9 lumens per watt  
Half-peak angle: 57°  
Total output: 4900 lm

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